



TRENCH GRATES

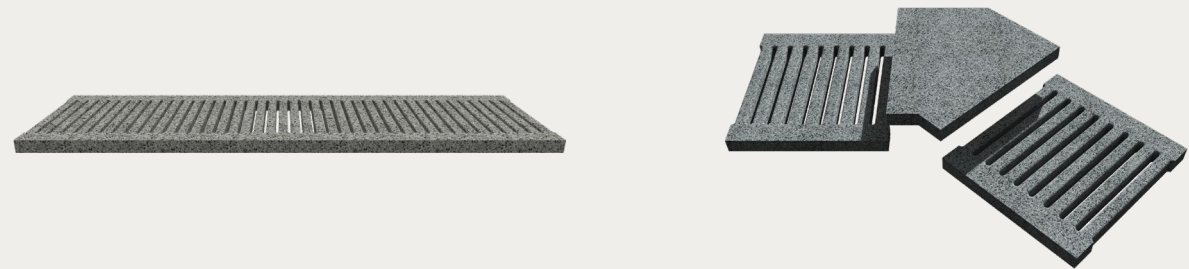
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# Trench Grates

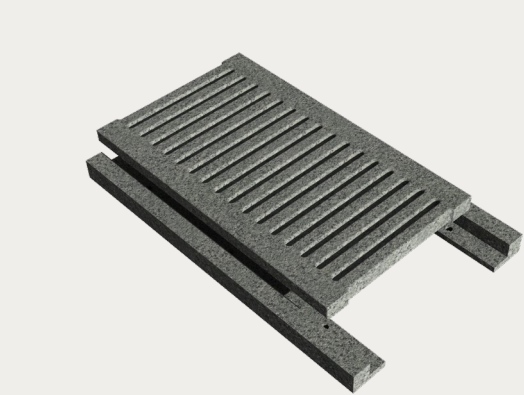
## Optional Features and Accessories

Jonite reinforced stone trench grates add a gloss of natural, yet modern finish that complements any city hardscape. The humble drain can now be elevated to match any design style.



### Heel-Guard™ Grates

Heel-Guard™ Grates have slim 6mm slots and small radius fillets to prevent high heels from being caught in the grates. Compliant with Americans with Disabilities Act (ADA) requirements, these are extremely useful for cut-off or scupper drains of the entrance or concourse areas of a building.



### L-Trimmers™

L-Trimmers™ is recommended for gratings built for heavy-duty applications and above. They are designed to provide aesthetic flair as well as the ideal support for all Jonite grates.

### Grate Tiles™

Grate Tiles™ are standard non-perforated solid slabs that have the same material composition and colour as Jonite grates. They are mainly used when a drain encounters an irregular joint or to fill an odd end of a drain.



### Custom Curve Grates

Curve grates are available in any radius and design upon request. All radius in a plan will be consolidated in a full-scale CAD drawing to help minimise the number of custom toolings required.

## GENERAL SPECIFICATIONS

A fundamental hardscape design element of any modern city is the drainage system, which protects against flooding by draining excess water away.

Now, underground drainage systems are designed to cope with frequent storms where any excess water always travels along the planned drainage flow paths to prevent flooding. Drainage systems are carefully planned to factor in the impact the drainage system has on our natural rivers and creeks. We are preventing waste from being washed into rivers and seas.

At Jonite, our reinforced stone channel grates and trench grates have redefined the role of gratings and drain covers in the architecture industry. With Jonite channel gratings and trench gratings, outdoor drain covers are more than functional products – they become a cornerstone in your design. They can become design focal points, inviting the viewer’s eye to follow intricate patterns that open up into the building design.

All products in Jonite trench grates collection are available in exquisite textures and colours. All its trench grates give you the finish of natural stone with the strength to sustain pedestrian and vehicular load performance and durability for a lifetime.

Jonite absorbs much less heat compared to traditional ferrous gratings, making it a more comfortable material to have around the house and in children’s playgrounds. Also, it has dielectric properties equivalent to porcelain, making it an excellent electrical insulator- a significant plus point in times of tropical thunderstorms.

Landscape architects like yourself have used our channel and trench grates for a variety of purposes, such as outdoor drain covers, channel grating along driveways, storm drainage and indoor applications. Aesthetics and functionality in a perfect marriage culminating in Jonite products makes us the natural choice.

## PRODUCT SPECIFICATIONS

- ↓
- Slip-resistant
- Rust & corrosion-resistant
- BS EN 124:2015 & 1433:2008 compliant
- Dielectric properties with excellent electric insulator
- Less heat absorbent than traditional ferrous grates
- LEED® (Leadership in Energy and Environmental Design) green building certified

## LOADING SPECIFICATIONS

- ↓
- Class A15 - Class D400



COLLECTION  
SLOTTED

Classic and clean-cut designs in compliance with BS EN 124:2015 that cover a wide range of openings. Suitable for various applications, from scupper indoor and outdoor drains to common house drains and wider drains in parks, commercial and industrial surroundings.



	<b>31110</b> Load class Drain width Dimension	<b>S1-125H25LD</b> A15 75 to 90mm 125W x 500L x 25mm (t)
	<b>31111</b> Load class Drain width Dimension	<b>S1-125H25HD</b> B125 75 to 85mm 125W x 500L x 25mm (t)
	<b>31112</b> Load class Drain width Dimension	<b>C1-210H25LD</b> A15 128 to 170mm 210W x 500L x 25mm (t)
	<b>31113</b> Load class Drain width Dimension	<b>C1-210H35HD</b> B125 128 to 160mm 210W x 500L x 35mm (t)

	<b>31114</b> Load class Drain width Dimension	<b>C2-292H25LD</b> A15 210 to 242mm 292W x 500L x 25mm (t)
	<b>31115</b> Load class Drain width Dimension	<b>C2-292H35HD</b> B125 210 to 232mm 292W x 500L x 35mm (t)
	<b>31116</b> Load class Drain width Dimension	<b>C3-355H25LD</b> A15 273 to 305mm 355W x 500L x 25mm (t)
	<b>31117</b> Load class Drain width Dimension	<b>C3-355H35HD</b> B125 273 to 295mm 355W x 500L x 35mm (t)



	<b>31118</b> Load class Drain width Dimension	<b>C4-435H35LD</b> A15 345 to 385mm 435W x 420L x 35mm (t)
	<b>31119</b> Load class Drain width Dimension	<b>C4-435H50HD</b> B125 345 to 375mm 435W x 420L x 50mm (t)
	<b>31120</b> Load class Drain width Dimension	<b>C5-500H35LD</b> A15 400 to 450mm 500W x 365L x 35mm (t)
	<b>31121</b> Load class Drain width Dimension	<b>C5-500H50HD</b> B125 400 to 440mm 500W x 365L x 50mm (t)
	<b>34119C</b> Load class Suitable for	<b>90° S1-H25LD</b> A15 Standard S1-125H25LD
	<b>34120C</b> Load class Suitable for	<b>90° S1-H25HD</b> B125 Standard S1-125H25HD
	<b>34110C</b> Load class Suitable for	<b>90° C1-H25LD</b> A15 Standard C1-210H25LD

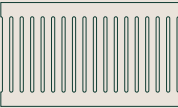
	<b>34111C</b> Load class Suitable for	<b>90° C1-H35HD</b> B125 Standard C1-210H35HD
	<b>34113C</b> Load class Suitable for	<b>90° C2-H25LD</b> A15 Standard C2-292H25LD
	<b>34114C</b> Load class Suitable for	<b>90° C2-H35HD</b> B125 Standard C2-292H35HD
	<b>34116C</b> Load class Suitable for	<b>90° C3-H25LD</b> A15 Standard C3-355H25LD
	<b>34117C</b> Load class Suitable for	<b>90° C3-H35HD</b> B125 Standard C3-355H35HD
	<b>34133C</b> Load class Suitable for	<b>90° C4-H35LD</b> A15 Standard C4-435H35LD
	<b>34134C</b> Load class Suitable for	<b>90° C4-H50HD</b> B125 Standard C4-435H50HD

	<b>34135C</b> Load class Suitable for	<b>90° C5-H35LD</b> A15 Standard C5-500H35LD
	<b>34136C</b> Load class Suitable for	<b>90° C5-H50HD</b> B125 Standard C5-500H50HD
	<b>34121C</b> Dimension	<b>L-TRIMMER-25LD</b> 60W x 500L x 35mm (t)
	<b>34122C</b> Dimension	<b>L-TRIMMER-35HD/EHD</b> 60W x 500L x 50mm (t)
	<b>34126C</b> Dimension	<b>L-SLIM-TRIMMER-25LD/HD</b> 40W x 500L x 35mm (t)
	<b>34127C</b> Dimension	<b>TS-50-LD (Tile-Strip)</b> 50W x 500L x 10mm (t)
	<b>34129C</b> Load class Dimension	<b>GT-400H25LD (Grate-Tile)</b> A15 400W x 400L x 25mm (t)

	<b>34131C</b> Load class Dimension	<b>GT-400H35HD (Grate-Tile)</b> B125 400W x 400L x 35mm (t)
	<b>34130C</b> Load class Dimension	<b>GT-500H25LD (Grate-Tile)</b> A15 500W x 500L x 25mm (t)
	<b>34132C</b> Load class Dimension	<b>GT-500H35HD (Grate-Tile)</b> B125 500W x 500L x 35mm (t)

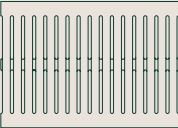
COLLECTION  
HIGH  
PERFORMANCE

Specially designed for heavy loading applications such as car-park entrances, hard-standing areas, driveways and kerb sides. L-Trimmers are recommended to ensure a flat and level seating of gratings.



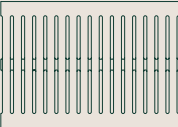
**32113**  
Load class  
Drain width  
Dimension

**C2-292H50CHD**  
D400  
210 to 230mm  
292W x 500L x 50mm (t)



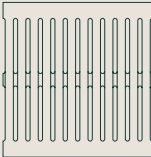
**32114**  
Load class  
Drain width  
Dimension

**C3-355H50EHD**  
C250  
273 to 285mm  
355W x 500L x 50mm (t)



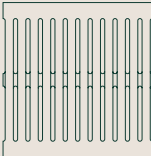
**32115**  
Load class  
Drain width  
Dimension

**C3-355H75CHD**  
D400  
273 to 285mm  
355W x 500L x 75mm (t)



**32116**  
Load class  
Drain width  
Dimension

**C4-435H70EHD**  
C250  
345 to 365mm  
435W x 420L x 70mm (t)



**32125**  
Load class  
Drain width  
Dimension

**C4-435H75CHD**  
D400  
345 to 365mm  
435W x 420L x 75mm (t)



**32117**  
Load class  
Drain width  
Dimension

**D1-167H35EHD**  
C250  
100 to 117mm  
167W x 750L x 35mm (t)



**32118**  
Load class  
Drain width  
Dimension

**D1-167H50CHD**  
D400  
100 to 117mm  
167W x 750L x 50mm (t)



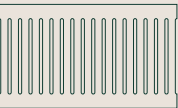
**32110**  
Load class  
Drain width  
Dimension

**C1-210H35EHD**  
C250  
128 to 150mm  
210W x 500L x 35mm (t)



**32111**  
Load class  
Drain width  
Dimension

**C1-210H50CHD**  
D400  
128 to 150mm  
210W x 500L x 50mm (t)



**32112**  
Load class  
Drain width  
Dimension

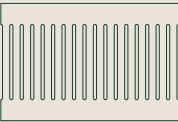
**C2-292H35EHD**  
C250  
210 to 230mm  
292W x 500L x 35mm (t)

	<b>32121</b> Load class Drain width Dimension	<b>D3-495H75EHD</b> C250 395 to 425mm 495W x 370L x 75mm (t)
	<b>32122</b> Load class Drain width Dimension	<b>D3-495H75CHD</b> D400 395 to 425mm 495W x 370L x 75mm (t)
	<b>32123</b> Load class Drain width Dimension	<b>BW1-260H50EHD</b> C250 200mm 260W x 500L x 50mm (t)
	<b>32124</b> Load class Drain width Dimension	<b>BW2-400H50EHD</b> C250 330mm 400W x 500L x 50mm (t)
	<b>34112C</b> Load class Suitable for	<b>90° C1-H35EHD</b> C250 Standard C1-210H35EHD
	<b>34115C</b> Load class Suitable for	<b>90° C2-H35EHD</b> C250 Standard C2-292H35EHD
	<b>34118C</b> Load class Suitable for	<b>90° C3-H50EHD</b> C250 Standard C3-355H50EHD

	<b>34122C</b> Dimension	<b>L-TRIMMER-35HD/EHD</b> 60W x 500L x 50mm (t)
	<b>34123C</b> Dimension	<b>L-TRIMMER-50EHD/CHD</b> 65W x 500L x 65mm (t)
	<b>34124C</b> Dimension	<b>L-TRIMMER-70EHD/CHD</b> 65W x 420L x 85mm (t)
	<b>34125C</b> Dimension	<b>L-TRIMMER-75EHD/CHD</b> 65W x 500L x 90mm (t)
	<b>34128C</b> Dimension	<b>TS-50-HD/EHD (Tile-Strip)</b> 50W x 500L x 15mm (t)

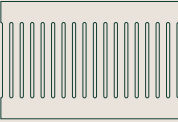
COLLECTION  
READY-CUT

Designed for replacement purposes without any form of construction work on existing drains. The longitudinal side of the gratings has a wider edging so that they can be cut to attain the required widths.



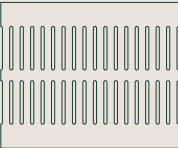
**33114**  
Load class  
Drain width  
Dimension

**CC2-330H35HD**  
B125  
233 to 270mm  
330W x 500L x 35mm (t)



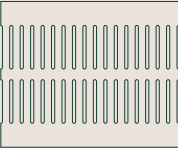
**33115**  
Load class  
Drain width  
Dimension

**CC2-330H50EHD**  
C250  
223 to 260mm  
330W x 500L x 50mm (t)



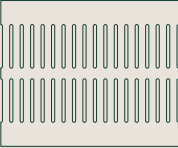
**33116**  
Load class  
Drain width  
Dimension

**CC3-410H35LD**  
A15  
225 to 360mm  
410W x 500L x 35mm (t)



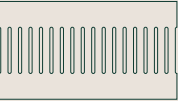
**33117**  
Load class  
Drain width  
Dimension

**CC3-410H35HD**  
B125  
296 to 350mm  
410W x 500L x 35mm (t)



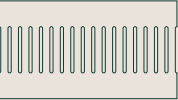
**33118**  
Load class  
Drain width  
Dimension

**CC3-410H50EHD**  
C250  
286 to 340mm  
410W x 500L x 50mm (t)



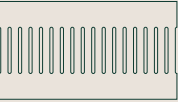
**33110**  
Load class  
Drain width  
Dimension

**CC1-275H25LD**  
A15  
171 to 225mm  
275W x 500L x 25mm (t)



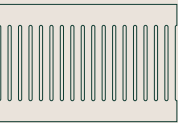
**33111**  
Load class  
Drain width  
Dimension

**CC1-275H35HD**  
B125  
161 to 215mm  
275W x 500L x 35mm (t)



**33112**  
Load class  
Drain width  
Dimension

**CC1-275H35EHD**  
C250  
161 to 205mm  
275W x 500L x 35mm (t)



**33113**  
Load class  
Drain width  
Dimension

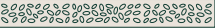




**CC2-330H25LD**  
A15  
243 to 280mm  
330W x 500L x 25mm (t)



COLLECTION

PATTERN

Creative and imaginative designs for enhanced aesthetic flair while maintaining load strength. Available in 2 standard designs: ornate Keyholes and contemporary Baby Pebbles.

	<div>U33115</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>MG-PEBBLES-78</div> <div>6KN</div> <div>52 to 54mm</div> <div>78W x 610L x 21/25mm (t)</div>
	<div>61115</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>BABY PEBBLES-86</div> <div>6KN</div> <div>56 to 62mm</div> <div>86W x 498L x 23mm (t)</div>
	<div>61116</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>BABY PEBBLES-122</div> <div>6KN</div> <div>80 to 100mm</div> <div>122W x 498L x 19mm (t)</div>
	<div>U32115</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>TG-PEBBLES-124</div> <div>6KN</div> <div>92 to 100mm</div> <div>124W x 500L x 19mm (t)</div>
	<div>61111</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>BABY PEBBLES-150</div> <div>6KN</div> <div>100 to 125mm</div> <div>150W x 500L x 25mm (t)</div>
	<div>61112</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>BABY PEBBLES-210</div> <div>6KN</div> <div>160 to 170mm</div> <div>210W x 500L x 25mm (t)</div>



	<div>61113</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>BABY PEBBLES-300</div> <div>6KN</div> <div>245 to 260mm</div> <div>300W x 500L x 35mm (t)</div>
	<div>61117</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>KEYHOLES-122</div> <div>A15</div> <div>92 to 100mm</div> <div>122W x 498L x 22mm (t)</div>
	<div>U32112</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>TG-KEYHOLES-124</div> <div>A15</div> <div>92 to 100mm</div> <div>124W x 500L x 22mm (t)</div>
	<div>61118</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>KEYHOLES-300</div> <div>6KN</div> <div>250mm</div> <div>300W x 500L x 28mm (t)</div>





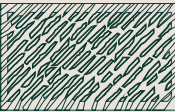
COLLECTION  
AVANT-GARDE

Abstract and innovative designs reminiscent of rain motifs for a futuristic and non-traditional finish.



**64115**  
Load class 6KN  
Drain width 92 to 100mm  
Dimension 122W x 498L x 22mm (t)

**CHISELLED-122**



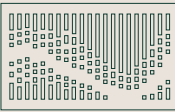
**64116**  
Load class 6KN  
Drain width 250mm  
Dimension 300W x 500L x 28mm (t)

**CHISELLED-300**



**U32110**  
Load class A15  
Drain width 92 to 100mm  
Dimension 124W x 500L x 22mm (t)

**TG-CHISELLED-124**



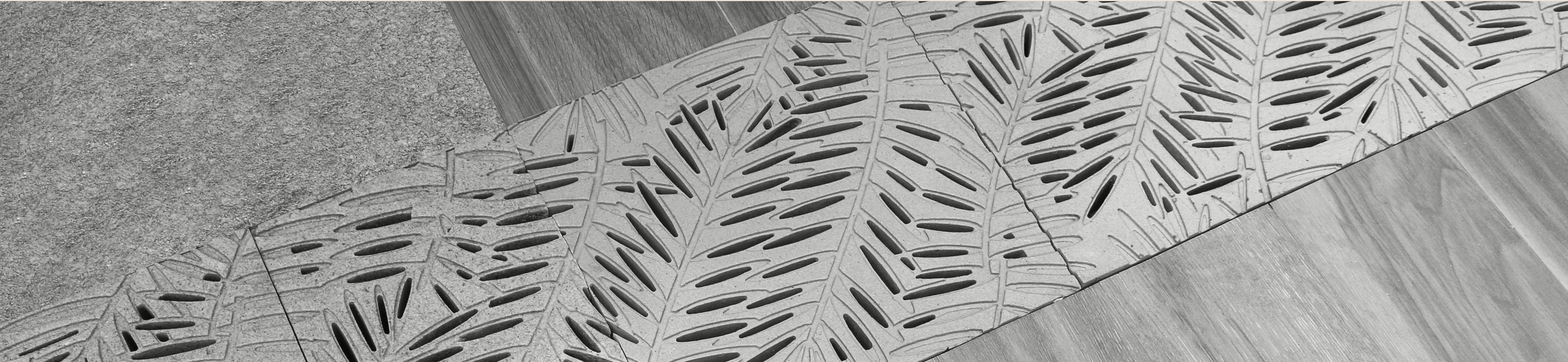
**64114**  
Load class A15  
Drain width 250mm  
Dimension 300W x 500L x 25mm (t)

**RAIN-SWING-300**



COLLECTION  
NATURE

Created with floral and leaf-inspired designs for a stylish tropical resort touch, that allows the gratings to blend in more aesthetically with different landscapes and architecture.



**62111**  
Load class 5KN  
Drain width 210 to 260mm  
Dimension 310W x 335L x 25mm (t)

LEAVES-310



**U32114**  
Load class A15  
Drain width 92 to 100mm  
Dimension 124W x 500L x 22mm (t)

TG-PALM-124



**62112**  
Load class 5KN  
Drain width 250mm  
Dimension 300W x 500L x 25mm (t)

FOREST-300



**62114**  
Load class 6KN  
Drain width 250mm  
Dimension 300W x 500L x 28mm (t)

PALM-300






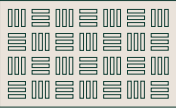

**62113**  
Load class A15  
Drain width 92 to 100mm  
Dimension 122W x 498L x 22mm (t)


PALM-122


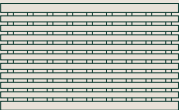

COLLECTION

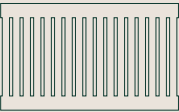
MODERN

Minimalist and clean architectural lines feature strongly in this collection, making it the best match for modern styles. Available in 3 types of designs: Cross-Stitch, Interlace, and Square Slots.

	<div>63115</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>CROSS-STITCH-86</div> <div>A15</div> <div>60mm</div> <div>86W x 498L x 23mm (t)</div>
	<div>63116</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>CROSS-STITCH-122</div> <div>A15</div> <div>92 to 100mm</div> <div>122W x 498L x 19mm (t)</div>
	<div>U32111</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>TG-CROSS-STITCH-124</div> <div>A15</div> <div>92 to 100mm</div> <div>124W x 500L x 19mm (t)</div>
	<div>63110</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>CROSS-STITCH-300</div> <div>6KN</div> <div>250mm</div> <div>300W x 500L x 25mm (t)</div>
	<div>U33112</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>MG-INTERLACE-78</div> <div>A15</div> <div>52 to 54mm</div> <div>78W x 610L x 21/25mm (t)</div>

	<div>63117</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>INTERLACE-122</div> <div>A15</div> <div>92 to 100mm</div> <div>122W x 498L x 22mm (t)</div>
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	<div>U32113</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>TG-INTERLACE-124</div> <div>A15</div> <div>92 to 100mm</div> <div>124W x 500L x 22mm (t)</div>
	<div>63118</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>INTERLACE-300</div> <div>6KN</div> <div>250mm</div> <div>300W x 500L x 25mm (t)</div>
	<div>63119</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>SQUARE-SLOTS-122</div> <div>A15</div> <div>80mm</div> <div>122W x 498L x 19mm (t)</div>
	<div>U32116</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>TG-SQUARE-SLOTS-124LD</div> <div>A15</div> <div>80 to 100mm</div> <div>124W x 500L x 19mm (t)</div>
	<div>U32117</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>TG-SQUARE-SLOTS-124HD</div> <div>B125</div> <div>72 to 82mm</div> <div>124W x 500L x 19/35mm (t)</div>

	<div>63120</div> <div>Load class</div> <div>Drain width</div> <div>Dimension</div>	<div>SQUARE-SLOTS-300</div> <div>A15</div> <div>250mm</div> <div>300W x 500L x 25mm (t)</div>
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